RAISECOM

www.raisecom.com

System Clock Commands

CONTENTS

Chapter 1   System Clock Commands

1.1 clock set

[Function]

Use **clockset** to modify system data and time.

[Command Format]

clockset *<0-23> <0-59> <0-59> <2000-2099> <1-12> <1-31>*

[Parameter]

<0-23>: hour

<0-59>: minute

<0-59>: second

<2000-2099>: year

<1-12>: month

<1-31>: date

[Command Modes]

Privilege EXEC and privilege users

[Executing Command Instruction]

Use **clockset** to modify system date and time. The configured data and time information will be memorized in NVRAM system and always be effective no matter power is on or off.

[Explanation of command execution echo]

Set successfully.

No 30th or 31st in Feb. in leap year

No 29th, 30th or 31st in Feb.

No 31st in the month

[Example]

System date is modified as 30th Sep, 2003, 8:30:00:

Raisecom# **clockset** *8 30 0 2003 9 30*

[Related commands]

Commands	Description
show clock	Show the current time of system.

1.2 clock summer-time

[Function]

Enable summer time configuration.

[Command Format]

clock summer-time {*enable* | *disable***}**

[Parameter]

enable: enable summer time

disable: disable summer time

[Default]

Summertime disable.

[Command Format]

Privilege EXEC; Privileged user.

[Explanation of command execution echo]

Set successfully

Set unsuccessfully

[Example]

Enable summer time:

Raisecom#**clock summer-time** *enable*

[Related commands]

Commands	Description
show clock	Show clock information
clock summer-time recurring	Set the starting time and end time of summer clock

1.3 clock summer-time recurring

[Function]

Configure the starting time and the ending time of summertime recurring.

[Command Format]

clock summer-time recurring *{<1-4>*| *last} { sun* | *mon* | *tue* | *wed* | *thu* | *fri* | *sat } {<1-12>* | *MONTH } <0-23> <0-59> {<1-4>* | *last} { sun* | *mon* | *tue* | *wed* | *thu* | *fri* | *sat } {<1-12>* | *MONTH } <0-23> <0-59> <1-1440>*

[Parameter]

<1-4>: summer time starting from which week

last : summer time starting from the last week of the month

week day: summer time starting from what date of the week

<1-12>: summer time starting from which month

MONTH: input the starting month

<0-23>: summer time starting hour

<0-59>: summer time starting minute

<1-4>: summer time ending at which week of the month

Last: summer time ending at the last week

week day: summer time ending at which day of the week

<1-12>: summer time ending month

MONTH: input the ending month

<0-23>: summer time ending hour

<0-59>: summer time ending minute

<1-1440>: summer time recurring minute

[Command format]

Privilege EXEC, Privileged user

[Executing Command Instruction]

This command is used to set the starting time, the ending time and recurring of summer time. The format for starting time and the ending time is: xx month, xx week (or the last week), xx hour and xx minute.

[Explanation of command execution echo]

Set successfully

Set unsuccessfully

[Example]

Set summer time to be one hour faster in the time zone from 2 o'clock on the morning of the second Sunday, April to 2 o'clock on the morning of the second Sunday, September every year:

Raisecom# **clock summer-time recurring** *2 sun 4 2 0 2 sun 9 2 0 60*

[Related commands]

Commands	Description
clock summer-time	Enable summer time function
show clock	Show clock information

1.4 clock timezone

[Function]

Configure time zone

[Command Format]

clock timezone *{+/-} <0-11> <0-59>*

[Parameter]

+ : East hemisphere time zone

- : West hemisphere time zone

<0-11>: time zone recurring hours

<0-59>: time zone offset minutes

[Default]

The default time is Beijing local time, which is eastern offset 8 hours.

[Command Mods]

Privilege EXEC; Privileged user

[Explanation of command execution echo]

Set successfully

[Example]

Set the time-offset direction to West hemisphere, offset time is 5 hours and 40 minutes:

Raisecom#**clock timezone** – *5 40*

[Related commands]

Commands	Description
show clock	Show the clock information

1.5 show clock

[Function]

Use **show clock** to show current system time.

[Command Format]

show clock *[summer-time-recurring]*

[Parameter]

summer-time-recurring: show summer time

[Command Modes]

Privileged EXEC, privileged user

[Executing Command Instruction]

Use the command to show current system time, time zone and summer time configuration.

[Example]

Raisecom#**show clock**

Current system time: Sep-30-2003   00:28:07

Timezone offset: +08:00:00

Raisecom#**show clock summer-time-recurring**

Current system time: Jan-01-2004   08:39:13

Timezone offset: +08:00:00

Summer time recuuring: Disable

Raisecom#**show clock summer-time-recurring**

Current system time: Jan-01-2004   08:40:07

Timezone offset: +08:00:00

Summer time recuuring: Enable

Summer time start: week 02 Sunday Apr   02:00

Summer time end: week 02 Sunday Sep   02:00

Summer time Offset: 60 min

[Related commands]

Commands	Description
clock summer-time recurring	Set the starting time and ending time of summer time.
clock summer-time	Summer time enable.
clock timezone	Set the time zone of current time.
clock set	Set the current system time of system

1.6 show sntp

[Function]

Show the "sntp" information

[Command Format]

show sntp

[Command Modes]

Privileged EXEC; privileged user

[Executing Command Instruction]

Use the history studying information of sntp.

[Explanation of command execution echo]

Show log information:

Raisecom#**show sntp**

SNTP server address:192.168.1.169

SNTP server   Stratum   Version   Last Receive

[Example]

Show the logging information memorized in the file:

Raisecom#**show sntp**

[Related commands]

Commands	Description
sntp server	Learn the system time form sntp server.
sntp broadcast client	set the device as detector of sntp broadcast

1.7 sntp server

[Function]

Configure the IP address of SNTP server and switch will set system according to the server.

[Command Format]

sntp server *A.B.C.D* [**schedule-list** *list-no]*

[Parameter]

A.B.C.D: IP address of sntp server.

schedule-list: Set the starting time, ending time and periodical operation task.

list-no: schedule list range is <0-99>.

[Default]

disable

[Command Modes]

Global configuration mode; privileged user

[Executing Command Instruction]

Configure the IP address of SNTP server and switch will set system according to the server.

[Command Executing Echo]

set successfully!

set unsuccessfully!

[Example]

Configure the time information of the device learn from sntp server:

Raisecom(config)# **sntp server** *10.0.0.1*